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START: Tasks Tuesday

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Magician Card Trick

New Instructions

First step

- count cards 1-to-16

- stack cards, 1-16, with open face

- the 16th card is chosen card

- the 16th card is on top

Second Step

- the rest of the deck is stacked open faced

- add the 16 cards, from first step, to bottom of deck

- stacked open faced, the chosen card should be the 16th card

Activity

- have girls practice

- each team proposes contestant

- teams compete against each other

Old Instructions

- Sixteenth card at start

- Eight of hearts

- Must choose from sixteenth to thirty two cannot choose sixteenth or thirty two

- Throw closed

- Down up

- Throw away downs

- Important: spread deck righ-to-left

Binary counting

- Teach binary counting.

- Practice binary counting.

- Come back as big group competition

- Consider increasing to both hands

Binary clock

- Teach binary clock.

- Practice binary clock.

- Come back as big group competition.

Cyphers - Setup (5 mins)

- Explain activity

- Handout cyphers

- Girls attempt to solve cyphers

Cyphers words activity (25 mins)

alphabet

- fachada bella 6-1-3-8-1-4-1 2-5-12-12-1

- mama bella 13-1-13-1 2-5-12-12-1

- medalla 13-5-4-1-12-12-1

- medicina bella 13-5-4-9-3-9-14-1 2-5-12-12-1

- angel 1-14-7-5-12

- camello 3-1-13-5-12-12-15

- cadena bella 3-1-4-5-14-1 2-5-12-12-1

- chile 3-8-9-12-5

- fabula 6-1-2-21-12-1

- hacienda bella 8-1-3-9-5-14-4-1 2-5-12-12-1

- anemia 1-14-5-13-9-1

- bella 2-5-12-12-1

Rot 13

- fachada bella snpunqn oryyn

- mama bella znzn oryyn

- medalla zrqnyyn

- medicina bella zrqnyyn

- angel natry

- camello pnzryyb

- cadena bella pnqran oryyn

- chile puvyr

- fabula snohyn

- hacienda bella unpvraqn oryyn

- anemia narzvn

- bella oryyn

Railfence (zig zag)

- fachadabella faeahdblacal

- mamabella mbaaaelml

- medalla mlealda

- medicinabella mcbaeiiaeldnl

- angel alneg

- camello claelmo

- cadenabella cnlaeaeldba

- chile cehli

- fabula flauab

- haciendabella hebaainaelcdl

- anemia ainmae

- bella baell

Cyphers race

- Have teams compete to solve cyphers

Cyphers - if stuck give hints (10 mins)

- give algorithm

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Afternoon

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Move ball functions

- the ones written by Abel

Binary hand

- the exercise from 100

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End: Tasks Tuesday

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